

1

SEQUENCE LISTING

<110> Advanced Technologies (Cambridge) Ltd.

<120> Limit Dextrinase Inhibitor Promoter

<130> RD-ATC-33

<140>

<141>

<160> 9

<170> PatentIn Ver. 2.1

<210> 1

<211> 833

<212> DNA

<213> Hordeum vulgare

<400> 1

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 atcataaaact tgtttttca ccgacaaaaat attgctcctc catttcgcat taaaattgtc 120
 aagcatgctt gcaacagtaa cacgaacatt cataaaaaaa atattttta agaaaaacatt 180
 tactatttt ttgttactat tcatactggga gcatgtgctt ccggaaagcca aaatgcccct 240
 tccaaatatgc cccgtgtaaa agaaaacccct tctttcctaa aaataatataat catcgccgt 300
 catgatacgt ttatgtattc aacgaaaaat attttcgcat gtcaccaaaa atgtttata 360
 ttacacaagt gaacaaatat gataaaactcc ctcgtgttaa ctatttttc tgtgaaataa 420
 aaggatgaca atcaaaacaa aaatgttagac tgtaaacaaaa gaaaacatta tttcttagaa 480
 ataaaaaaaaa agatttagagg gatatgtatt gtcgaaacac atgaggacta gaacaaaaga 540
 aaaaggaaaa tgagaaggaa aaaaggggta accattaccc aaagaaaaaca gaaagtaaac 600
 tagacgtgtc gaagggaaac ggagtttgca ggggcgttcc aaattcagtt gcaagaacct 660
 ccaaataaaac gccaacaaga aagaaatgag cattacttgc gcgctttgca ctcttatctc 720
 tagcatctcc cgatacatac atacatgttag cctagctgca gatcttgaat agctattctt 780
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<211> 517

<212> DNA

<213> Hordeum vulgare

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<222> (14)..(457)

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1	5	10

gcc gtc ttg ctc tcg gtc ctc gcc gtc gcc gcc acc ctg gag agc	97	
Ala Val Leu Leu Ser Val Leu Ala Val Ala Ala Thr Leu Glu Ser		
15	20	25

gtc aag gac gag tgc caa cca ggg gtg gac ttc ccg cat aac ccg tta	145	
Val Lys Asp Glu Cys Gln Pro Gly Val Asp Phe Pro His Asn Pro Leu		
30	35	40

gcc acc tgc cac acc tac gtg ata aaa cgg gtc tgc ggc cgc ggt ccc	193		
Ala Thr Cys His Thr Tyr Val Ile Lys Arg Val Cys Gly Arg Gly Pro			
45	50	55	60

agc cgg ccc atg ctg gtg aag gag cgg tgc tgc cgg gag ctg gcg gcc 241
 Ser Arg Pro Met Leu Val Lys Glu Arg Cys Cys Arg Glu Leu Ala Ala
 65 70 75

gtc ccg gat cac tgc cgg tgc gag gcg ctg cgc atc ctc atg gac ggg 289
 Val Pro Asp His Cys Arg Cys Glu Ala Leu Arg Ile Leu Met Asp Gly
 80 85 90

gtg cgc acg ccg gag ggc cgc gtg gtt gag gga cgg ctc ggt gac agg 337
 Val Arg Thr Pro Glu Gly Arg Val Val Glu Gly Arg Leu Gly Asp Arg
 95 100 105

cgt gac tgc ccg agg gag cag agg gcg ttc gcc gcc acg ctt gtc 385
 Arg Asp Cys Pro Arg Glu Glu Gln Arg Ala Phe Ala Ala Thr Leu Val
 110 115 120

acg gcg gcg gag tgc aac cta tcg tcc gtc cag gag cgg gga gta cgc 433
 Thr Ala Ala Glu Cys Asn Leu Ser Ser Val Gln Glu Pro Gly Val Arg
 125 130 135 140

ttg gtg cta ctg gca gat gga tga cgatcgaaat gcgccaaagggt aatgaagcgg 487
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agtactgtat acagaataaa agtactcgag 517

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<212> PRT
<213> Hordeum vulgare

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Cys Gln Pro Gly Val Asp Phe Pro His Asn Pro Leu Ala Thr Cys His
 35 40 45
Thr Tyr Val Ile Lys Arg Val Cys Gly Arg Gly Pro Ser Arg Pro Met
 50 55 60
Leu Val Lys Glu Arg Cys Cys Arg Glu Leu Ala Ala Val Pro Asp His
 65 70 75 80
Cys Arg Cys Glu Ala Leu Arg Ile Leu Met Asp Gly Val Arg Thr Pro
 85 90 95
Glu Gly Arg Val Val Glu Gly Arg Leu Gly Asp Arg Arg Asp Cys Pro
 100 105 110
Arg Glu Glu Gln Arg Ala Phe Ala Ala Thr Leu Val Thr Ala Ala Glu
 115 120 125
Cys Asn Leu Ser Ser Val Gln Glu Pro Gly Val Arg Leu Val Leu Leu
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Ala Asp Gly
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<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR primer

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<210> 5

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR primer

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<210> 6

<211> 22

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR Primer

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gtaatacgac tcactatagg gc

22

<210> 7

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer

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agaccgcgtt tatcacgtag gtgtgg

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<210> 8

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR primer

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actatagggc acgcgttgt

19

<210> 9

<211> 26

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR primer

<400> 9

agacggcgcc ggagaggacg aagcga

26